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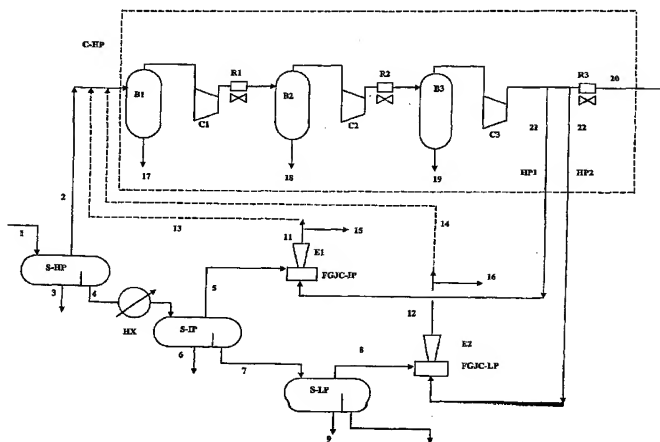
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(54) Title: A PROCESS FOR THE TREATMENT OF FLUIDS ORIGINATING FROM SUBMARINE OIL FIELDS



(57) Abstract: Process for treating on floating units fluid from submarine oil fields, including the following stages: -delivering the fluid (1) to a high pressure separation stage (S-HP) in which the fluid is split into a light hydrocarbon gas phase (2), a water phase (3) and a hydrocarbon liquid phase (4); -delivering the light hydrocarbon gases (2) to a gas reinjection compression unit (C-HP), having at least two compression stages (C1,C2,C3); -delivering the hydrocarbon liquid (4) to one or more-further separation stage: operating at decreasing pressures (S-IP and S-LP), where said liquid (4) is split into a light hydrocarbon gas phase (5,8), a water phase (6,9) and a liquid hydrocarbon phase (7); -delivering the light hydrocarbon gases (5,8) to compression units "Flash Gas Jet Compression" (FGJC), comprising ejectors (E1,E2) which use the compressed gas (21,22) from the gas reinjection compression unit (C-HP) as driving fluid.

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